

SMALL ANIMAL CUMULATIVE INDEX—1983

AUTHOR INDEX

A
Ackerman, N., 609
Atkins, C.E., 851
Austin, V.H., 890

B
Baillie, N.C., 1013
Barta, O., 995
Bernard, S.L., 25
Berzon, J.L., 285
Blass, C.E., 801
Bloomberg, M.S., 178, 609
Blue, J., 621, 687
Bright, J.M., 728
Bright, R.M., 728
Brooks, D.E., 81, 292
Buergele, C.D., 609, 971

C
Campbell, T.W., 813
Carmichael, L.E., 1043
Crowe, D.T., Jr., 398

D
Dressen, D.W., 456
Dziezyc, J., 81, 292

E
Egger, E.L., 147
Elliott, G.S., 441
England, J.J., 327

F
Feeney, D.A., 1013
Finco, D.R., 778
Folz, S.D., 116

G
Gillespie, J.R., 634
Gilmore, D.R., 55, 217, 408, 953
Goldschmidt, M., 343
Gorham, J.R., 25
Goring, R.L., 178
Grauer, G.F., 539
Grauer, R.M., 539
Gross, T.L., 925
Grove, K., 660

H
Handelman, C.T., 687

Hardie, E.M., 369, 483
Hargis, A.M., 647
Hedlund, C.S., 599, 738
Hopper, P.E., 68
Howard, P.E., 18
Hulse, D.A., 765

J
Jacobson, E., 315
Jeglum, K.A., 96
Jezyk, P.F., 1026
Johnson, C.A., 129
Johnston, G.R., 1013
Johnston, S.D., 1013
Jones, M.A., 441
Jongeward, S.J., 68

K
Kaufman, G.M., 753
Kollias, G.V., Jr., 315
Kotlikoff, M.I., 634
Krawiec, D.R., 450
Kronfeld, D.S., 136, 419
Kunkle, G.A., 925

L
Lammerding, J.J., 68
Leib, M.S., 825
Lenehan, T.M., 941
Lombard, C.W., 971
Lubroth, J.S., 456

M
Martin, M.L., 521
Matthiesen, D.T., 548, 867
Mays, M.C., 728
McMillan, M.C., 273
Medleau, L., 705
Miller, J.S., 18
Miller, L.M., 647
Miller, W.H., Jr., 705
Moise, N.S., 621
Moore, C.P., 465
Morgan, R.V., 43, 228, 305

N
Neer, T.M., 18

O
Ogilvie, G.K., 384

Osborne, C.A., 497, 561

P
Pesut, A.P., 343
Peters, L.J., 315
Polzin, D.J., 497, 561

R
Rawlings, C.A., 369, 483
Reedy, L.M., 532
Richardson, R.C., 441
Rigg, D.L., 147, 719
Robinson, E.P., 1004
Root, C.R., 905
Rosenthal, R.C., 983
Rubin, G.J., 532
Ryland, L.M., 25

S
Schaer, M., 579
Schantz, P.M., 163
Schwink, K.L., 719
Sedmak, P.A., 521
Shires, P.K., 765
Shores, A., 1033
Smith, F.O., 1013
Smith, K.W., 206
Stephens, K.A., 671
Stern, A., 913
Susaneck, S.J., 35, 251

T
Tangner, C.H., 599, 738
Troy, G.C., 932
Turk, J.R., 905
Turk, M.A.M., 905
Turnwald, G.H., 932, 995

W
Weirich, W.E., 753
Weissinger, J., 839
Werner, L.L., 195, 358
Whereat, A., 96
Wilson, J.F., 262
Wolfsheimer, K.J., 358
Wykes, P.M., 8, 105

Z
Zimmer, J.F., 1053

VOLUME 5 PAGINATION

SMALL ANIMAL SECTIONS

January	1-72	May	337-432	September	697-792
February	73-152	June	433-512	October	793-880
March	153-240	July	513-592	November	881-960
April	241-336	August	593-696	December	961-1064

ARTICLE #9 REVIEW QUESTIONS

The article you have read qualifies for ½ hour of Continuing Education Credit from the University of Pennsylvania School of Veterinary Medicine. Choose only the one best answer to each of the following questions; then mark your answers on the registration form inserted in *The Compendium*.

- Factors tending to increase the number of older dogs in the canine population include
 - better vaccines, diagnostic procedures, and treatment for dogs.
 - better nutrition of puppies and young adults.
 - increased client interest in better professional care of the older dog.
 - none of the above
 - all of the above
- Physiologic changes that occur as an animal ages include
 - an increase in skeletal muscle mass and a decrease in body fat.
 - an increase in total body water.
 - a decrease in lean body mass and a lowering of glucose tolerance.
 - progressive hepatic insufficiency and a stable basal metabolic rate.
 - decreasing ability to metabolize lipids and an increase in kidney weight.
- Nutritional balance determinations by two groups of researchers confirmed which of the following statements?
 - Young adult dogs consistently showed more efficient digestion and absorption of nutrients than did older dogs.
 - Palatability of food was more of a problem in older dogs than in young adult dogs.
 - Young adult dogs and older dogs had similar efficiencies of digestion and absorption of various nutrients and classes of nutrients.
 - Older dogs consistently drank more water than did young adult dogs.
 - Young adult dogs demonstrated a greater requirement for protein than did older dogs.
- On the basis of tissue reserves, one group of investigators demonstrated that older dogs required 50% more of which of the following nutrients than did young adult dogs?
 - mineral supplementation
 - carbohydrate
 - fat-soluble vitamins
 - fiber
 - protein
- One of the recommendations offered is that geriatric dogs undergo a thorough physical examination by a veterinarian
 - every three to six months.
 - at least annually or as indicated by the animal's rate of aging.
 - every one to two years.
 - only as indicated by the appearance of clinical problems.
 - periodically as warranted by the owner.
- On the basis of either the formula given or Table III, the estimated daily caloric intake of a dog weighing 25 lb should be
 - 55 kcal, based on 22 kcal/lb.
 - 580 kcal, which is the difference between recommendations for a 45-lb dog and a 20-lb dog.
 - 600 kcal, or one-third of the requirement for a 75-lb dog.
 - 825 kcal, as determined by extrapolation in Table III.
 - 920 kcal, or the sum of the recommendations for a 20-lb dog and a 5-lb dog.
- The metabolizable energy (ME) present in 1 lb of dog food containing 10% fat, 70% water, and 3% ash is estimated to be
 - 420 kcal.
 - 624 kcal.
 - 672 kcal.
 - 2928 kcal.
 - 3328 kcal.
- There is a difference of opinion among veterinary nutritionists regarding the recommendations for the dietary protein content for older dogs. In formulating such a recommendation for the protein content of a diet for an older dog, the clinician must consider a number of factors, including
 - incidence and significance of overt progressive renal insufficiency.
 - effect of dietary protein on measurable renal function.
 - results of nutritional studies on nitrogen balance and tissue protein reserves.
 - metabolism of protein by older vs. young adult dogs.
 - all of the above
- The pragmatic outcome of the deliberations in Question 8 is a recommendation to the owner. Which of the following dietary recommendations would be reasonable for an older dog?
 - Feed one of the commercially available diets for older dogs.
 - Supplement one of the commercially available diets with small amounts of high-quality protein.
 - Feed puppy chow, but carefully monitor the patient's weight.
 - Feed a mixture of dry dog food and canned meat.
 - all of the above
- Although there are not sufficient published data so that valid recommendations on various dietary components can be made, various dog foods have been formulated and advocated for use in older dogs because of unique amounts or concentrations of various components. Included in this group of dietary components are
 - vitamins, minerals, and water.
 - minerals, carbohydrates, and salt.
 - ash, water, and fiber.
 - vitamins, salt, and fiber.
 - minerals, salt, fiber, and calories.



SUBJECT INDEX

A

- Allergy, plant, canine, 925-930
- Ameloblastoma, 445
- Amphibians, antibiotic/parasiticide dosage tables, 315-324
- Amputation, tail, canine, 719-724
- Anesthesia, young canine/feline, 1004-1012
 - agents, 1006
 - equipment, 1008
- Antibiotics, dosage tables, exotic animals, 315-324
- Anticoagulants, effect on laboratory test values, 689-690
- Arthritis, cryptococcal, canine, 609-617
- Asthma, feline, emergency treatment, 235-236
- Azotemia, 497-508, 561-574

B

- Babesiosis, 163-164
- Biliary tract, disease/trauma, surgery, 801-808
- Blood, calcium levels, analysis, canine, 778-788
- Bone
 - fracture (*see* Fracture, bone)
 - intertarsal subluxation, 533
 - joint abnormalities, elbow, canine, 178-188
 - osteocondritis dissecans, elbow, canine, 285-288
 - osteodystrophy, fibrous, associated with kidney disease, canine, 195-204
 - osteomyelitis, canine, 609-617
 - plantar subluxation, 551-553
 - trauma, canine/feline, 548-555
- Bronchus
 - cytology, feline, 623-626
 - endotracheal tube aspiration, 621-628
- Brucellosis, associated with infertility, male canine, 983-991

C

- Calcium, serum levels, analysis, canine, 778-788
- Calculi, urinary tract
 - emergency treatment, 43-45
 - silica, canine, 147-150
- Candidiasis, crop, avian, 818
- Cardiovascular system
 - arteriovenous fistula and associated carotid body tumor, canine, 68-72
 - shock, catecholamine therapy 675-676
- Carotid body tumor, associated with arteriovenous fistula, canine, 68-72
- Cataplexy, canine, 450-454
- Cataracts, canine, 81-87
- Catecholamines
 - pharmacology, 671-679
 - therapy of shock, 675-676
 - toxicity, 674-675

- Cauda equina syndrome, canine, 941-950
- Central nervous system, examination, neonatal canine, 1033-1042
- Chemotherapy, thyroid carcinoma, canine, 96-98
- Congenital disorders, metabolic, subsequent mortality, neonatal canine/feline, 1026-1032
- Contusions, lung, 396-397
- Cor pulmonale, heartworm-induced, echocardiography, canine, 971-982
- Cornea, opacification, canine, 471-472
- Cosmetic ear trimming, canine, 206-213
- Crop, disorders, avian, 813-822
- Cryptococcus neoformans*, infection, canine, 609-617
- Cryptosporidiosis, 165-166

D

- Demodicosis, canine, 116-121, 995-1003
- Dermatitis
 - contact, canine, 925-930
 - staphylococcal, young canine, 995-1003
- Diabetes mellitus
 - insulin therapy, canine/feline, 579-588
 - juvenile-onset, canine, 851-858
- Diet, geriatric, canine, 136-142
- Distemper, immunization, canine, 1043-1052
- Dystocia, emergency treatment, 50-51

E

- Ear
 - cosmetic trimming, canine, 206-209
 - faulty carriage correction, canine, 209-213
 - middle, inflammation, surgery, 18-21
- Echinococcosis, 166
- Echinostomiasis, 164
- Echocardiography, for right-sided congestive heart failure and heartworm-induced cor pulmonale, canine, 971-982
- Edema
 - nephrotic syndrome, associated with heartworm disease, canine, 358-365
 - pulmonary, emergency treatment, 233-235
- Electrolytes, plasma concentration, osmometry, 541-544
- Emergency treatment
 - airway obstruction, 228-232
 - genital tract, male/female, 45-51
 - respiratory tract disease, 232-237, 305-310
 - urinary calculi, 43-45
- Epulis, 444-445
- Esophagus, dilated, idiopathic, canine, 825-833
- Eye (*see also* specific structures and diseases)
 - cataracts, canine, 81-87
 - disorders, canine, 465-478

- glaucoma, canine, 292-300
- visual process, canine, 465-467

F

- Ferret, domestic, 25-32
 - disease, 29-32
- Fistula
 - arteriovenous, associated with carotid body tumor, canine, 68-72
 - crop, avian, 815-816
- Fracture, bone
 - fibula, 553-554
 - lag screw application, 217-222
 - malleolus, 550
 - metatarsal, 555
 - tibia, 553
 - vertebral column, surgery, 867-878

G

- Gastrointestinal tract, radiography, avian, 273-278
- Genetics, congenital metabolic disorders, subsequent mortality, neonatal canine/feline, 1026-1032
- Genital tract
 - female, emergency treatment, 47-51
 - male, emergency treatment, 45-47
- Gestation time, canine, 1013-1025
- Giardiasis, 164-165
- Glaucoma, canine, 292-300
- Glycosides, oral, therapy of chronic heart disease, canine, 753-760
 - pharmacology, 755-757

H

- Heart
 - disease, oral glycoside therapy, canine 753-760
 - failure, congestive, right-sided, heartworm-induced, echocardiography, canine, 971-982
 - necropsy methods, canine, 905-910
 - valve alterations, quantification at necropsy, canine, 905-910
 - ventricular hypertrophy, quantification at necropsy, canine, 905-910
- Heartworm, infection, echocardiography, canine, 971-982
- Hematoma, lung, 397-398
- Hydropropulsion, retrograde, urolithiasis therapy, canine, 149-150
- Hypercalcemia, canine, 784-786
 - emergency treatment, 784-785
- Hyperglycemia, canine, 851-858
- Hyperparathyroidism, renal secondary, canine, 195-204, 785-786
- Hypersensitivity, staphylococcal, young canine, 995-1003
- Hypocalcemia
 - associated with kidney disease, canine, 195-204

canine, 780-784
 emergency treatment, 781-782
 Hypoglycemia, 932-937
 laboratory testing, 933-937
 Hypoparathyroidism, canine, 781-783

I

Immunization, young canine, 1043-1052
 Immunologic dysfunction, associated skin disease, young canine, 995-1003
 Immunologic testing, 705-714
 fertility, male canine, 983-991
 Impetigo, juvenile, canine, 995-1003
 Infertility, male canine, 983-991
 Inguvies (*see* Crop)
 Injury (*see* Trauma)
 Insulin, therapy of diabetes mellitus, canine/feline, 579-588
 Intoxication, ethylene glycol, osmometry, 544
 Intravenous fluid administration, young canine/feline, 1004-1012

J

Joint
 arthritis, cryptococcal, canine, 609-617
 elbow
 developmental abnormalities, canine, 178-188
 osteochondritis dissecans, canine, 285-288
 stifle, meniscus, canine
 anatomy and function, 765-768
 surgery, 771-774
 trauma, 768-771
 tarsus, trauma, canine/feline, 548-555

K

Keratinization, disorders, canine, 890-898
 Kidney
 associated hyperparathyroidism, 782-783, 786
 concentrating ability, osmometry, 540
 disorders, 497-508, 561-574
 end-stage disease, canine, 195-204
 failure, drug metabolism in, 913-920
 nephrotic syndrome, associated with heartworm disease, canine, 358-365

L

Laboratory tests
 analysis of values, 687-694
 immunologic, 705-714
 Lag screw application, bone fracture, 217-222
 Larynx, disease, canine, 8-13
 diagnosis, 105-106
 surgery, 107-110
 Leukokoria, canine, 474
 Lung (*see also* Respiratory tract)
 contusion, emergency treatment, 232-233
 sounds, 634-639

classification, 636-637
 mechanism of production, 637-638
 trauma, 396-402
 Luxation, vertebral column,
 thoracolumbar, surgery, 867-878
 Lymphosarcoma, spinal cord, feline, 409

M

Mammary glands, neoplasms, feline, 384-392
 Mange, demodectic, 116-121, 995-1003
 Megaesophagus, canine, 825-833
 Melanoma, malignant, mouth, 441-442
 Meniscus (*see* Stifle joint)
 Metabolic disorders, subsequent mortality, neonatal canine/feline, 1026-1032
 Mortality, due to metabolic disorders, neonatal canine/feline, 1026-1032
 Mouth, neoplasms, 441-446

N

Narcolepsy, canine, 450-454
 Neoplasms
 ferret, 31
 larynx, canine, 10-11
 mammary gland, feline, 384-392
 mouth, 441-446
 parotid gland, associated with endocrine disorders, canine, 728-734
 prostate, canine, 647
 skin, feline, 251-258
 spinal cord
 canine, 55-64
 diagnosis, 59-63
 feline, 409
 thyroid, canine, 35-40
 chemotherapy, 96-98
 surgery, 38
 Neurologic testing, neonatal canine, 1033-1042
 Nutrition
 age factors, canine, 1053-1059
 feline, 419-424

O

Orthopedic surgery, lag screw application, 217-222
 Osmometry, procedures, 539-544
 Osteochondritis dissecans, elbow, canine, 285-288
 Osteomyelitis, canine, 609-617
 Otitis media, surgery, 18-21

P

Pain, related to cervical vertebrae disorders 953-958
 Pancreas, disorders, canine, 851-858
 Paralysis
 larynx, canine, 12-13
 pelvic limb, feline, 408-412
 Paraphimosis, emergency treatment, 45-46

Parasites

Demodex canis, 116-121, 995-1003
 heartworm, occult disease, associated with nephrotic syndrome, canine, 358-365
 internal, 163-172
 skin, tropical fish, 343-349, 353
Toxoplasma gondii, life cycle, 456-460
 Parasiticide, dosage tables, exotic animals, 315-324
 Parotid glands, neoplasms, associated with endocrine disorders, canine, 728-734
 Parathyroid glands, associated serum calcium levels, canine, 781-786
 Paresis, pelvic limb, feline, 408-412
 Parturition, canine, 1013-1025
 Parvovirus, immunization, canine, 1043-1052
 Periodontal therapy, 660-664
 gingivectomy, 662-664
 teeth scaling, 660-662
 Peripheral nervous system, examination, neonatal canine, 1033-1042
 Pharmacology
 drug interactions, 839-848
 drug metabolism, in renal failure, 913-920
 Pleural cavity, disorders, emergency treatment, 305-309
 Pneumonia, emergency treatment, 232
 Pregnancy, canine, 1013-1025
 complications, 1020-1024
 Prostate, neoplasms, canine, 647
 Pseudocysts, lung, 398
 Pseudohyperparathyroidism, canine, 785
 Puppy strangles, 995-1003
 Pyoderma
 moist juvenile, canine, 995-1003
 young canine, 995-1003
 Pyometritis, emergency treatment, 49-50

R

Rabbits, antibiotic/parasiticide dosage tables, 315-324
 Rabies, epidemiology, pathogenesis and diagnosis, 521-528
 Radiography
 fetal canine, 1013-1025
 gastrointestinal tract, avian, 273-278
 Regurgitation, associated with megaesophagus, canine, 825-833
 Reptiles, antibiotic/parasiticide dosage tables, 315-324
 Respiratory tract
 arrest, emergency treatment, 309-310
 obstruction
 canine, 11-12
 emergency treatment, 228-232

parenchymal exchange disease,
 emergency treatment, 232-237
 pleural cavity disease, emergency
 treatment, 305-309
 respiratory distress syndrome, acute,
 396-402
 trauma, 396-402
 Rodents, antibiotic/parasiticide dosage
 tables, 315-324

S

Semen analysis, canine, 983-991
 Senescence, geriatric diet, canine,
 136-142
 Sexual differentiation, fetal testicle role in
 129-132
 Shock
 catecholamine therapy, 675-676
 septic
 canine/feline, 483-492
 pathophysiology, 369-378
 Skin
 disease
 allergic, canine, 925-930
 bacterial, 349-353
 canine, 890-898
 parasitic, 343-349, 353
 canine, 116-121, 995-1003
 viral, tropical fish, 343, 353
 young canine, 995-1003
 neoplasms, feline, 251-258
 Sleep, disorder, canine, 450-454
 Spinal cord (*see also* Central nervous
 system)
 disorders
 canine, 945
 feline, 408-412
 neoplasms, canine, 55-64
 myelography, 59-63
 trauma, surgery, 868-878
 Spondylolisthesis, canine, 943

Stifle joint, meniscus, canine
 anatomy and function, 765-768
 surgery, 771-774
 trauma, 768-771
 Subluxation
 plantar, 551-553
 intertarsal, 553

T

Tail, amputation, canine, 719-724
 Tarsus joint
 arthrodesis, 551
 trauma, canine/feline, 548-555
 Teeth, scaling, 660-664
 Testis, fetal, role in sexual differentiation,
 129-132
 Thyroid, neoplasms, canine, 35-40
 chemotherapy, 96-98
 surgery, 38
 Toxocariasis, 167
Toxoplasma gondii, life cycle, 456-460
 Trachea
 anatomy, canine, 599-600
 collapse, 741-743
 surgery, 600-603, 738-747
 Tracheostomy, canine, 744-747
Tridacna fluminensis, allergy, canine,
 925-930
 Trauma
 eye, resultant cataract formation,
 canine, 84
 genital, male, emergency treatment,
 46-47
 larynx, canine, 10, 110
 tarsus, canine/feline, 548-555
 vertebral column, surgery, 867-878
 Trichinosis, 166-167
 Trichomoniasis, crop, avian, 818-820

U

Ultrasonography, fetal canine, 1013-1025

Uremia, 499
 Urethra, obstruction
 emergency treatment, 43-45
 surgery, canine, 147-150
 Urinary tract (*see also* specific structures
 and diseases)
 calculi, surgery, canine, 147-150
 disorders, 500-507
 obstruction, emergency treatment, 43-45
 Uterus, prolapse, emergency treatment,
 48-49

V

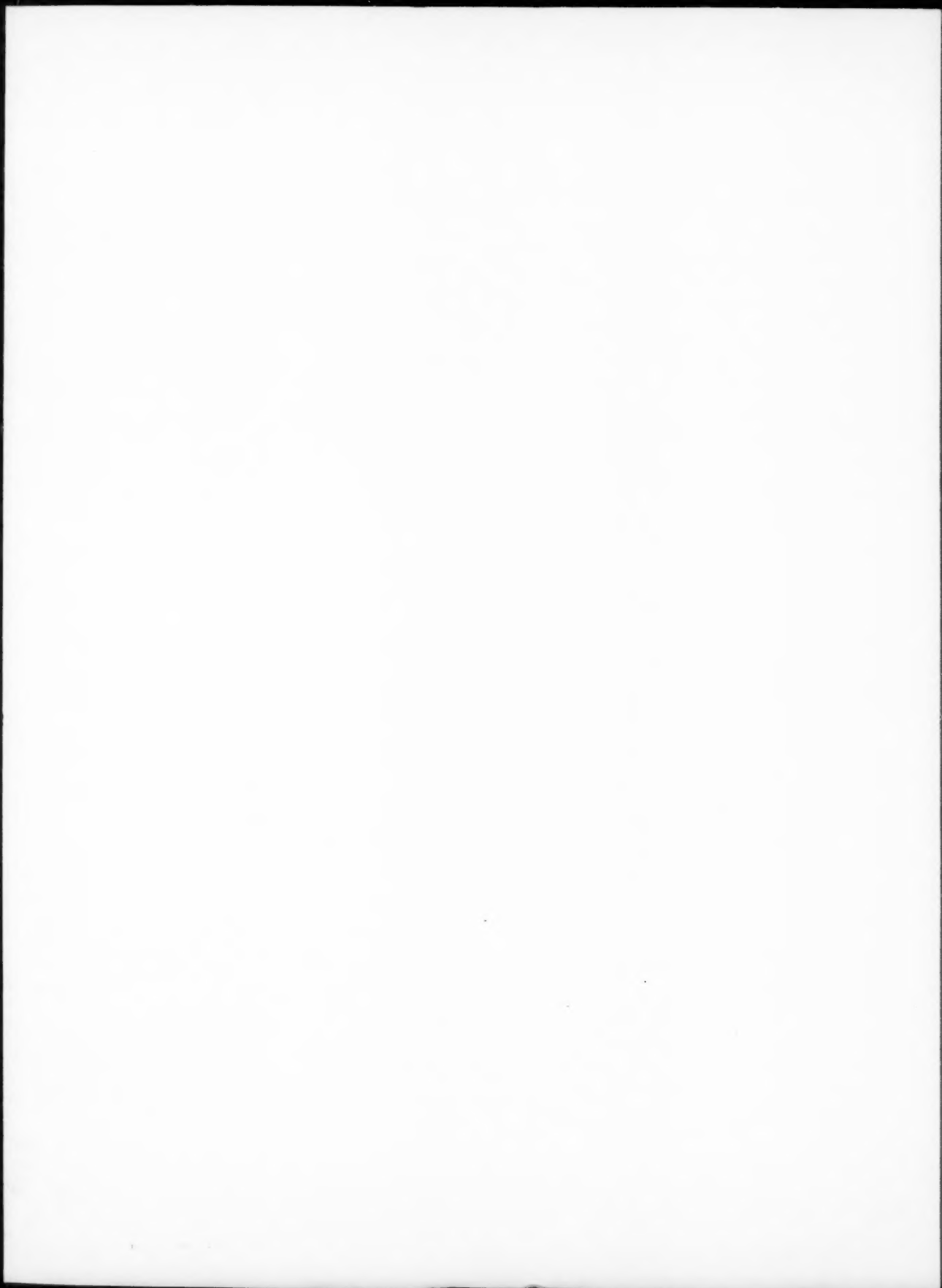
Vaccines, canine, 1043-1052
 Vagina, hyperplasia and prolapse,
 emergency treatment, 47-48
 Vertebral column
 disorders
 canine, 943-944
 cervical, 953-958
 fracture, surgery, 867-878
 luxation, surgery, 867-878
 Veterinary practice, business planning,
 262-270
 referrals, 532-537
 Viability, prenatal indicators, neonatal
 canine, 1013-1025
 Virus
 classification and molecular biology,
 327-334
 infection, rabies, 521-528
 types, canine, 1043-1052
 vaccine, canine, 1043-1052

X

X-ray (*see* Radiography)

Z

Zoonoses, parasitic, 163-172



LARGE ANIMAL CUMULATIVE INDEX—1983

AUTHOR INDEX

A
Acland, H.M., S232
Al-Ani, F.K., S5
Anderson, B.C., S364, S431, S482
Anderson, N.V., S185
Ansari, M.M., S107, S129
Armstrong, C.H., S371
Auer, J.A., S27, S102

B
Baird, J.D., S581
Baker, G.J., S61
Baker, J.S., S328
Barrett, D.P., S431
Bayly, W.M., S526
Becht, J.L., S591
Bednarski, R.M., S228, S287
Bennett, D.G., S343
Bergeron, H., S141
Biwer, R.D., S416
Booth, L.C., S669
Bowen, J.M., S141, S677
Bulgin, M.S., S482
Butler, D.G., S581
Byars, T.D., S423

C
Cannon, J.H., S320
Coffman, J.R., S669
Crouch, G.M., S141, S206

D
DeBowes, R.M., S669
DeMartini, J.C., S173
Divers, T.J., S252, S310
Dohoo, I., S601
Ducharme, N.G., S213

E
Ellis, J., S173, S504
Ernst, P.B., S581

F
Fadok, V.A., S615
Ferreira, C.J., S41
Fessler, J.F., S435

G
Gaines, J.D., S102
Gamble, D.A., S627
Garry, F., S159

Genetzky, R.M., S416
Gibson, C.D., S244
Grimmet, J.B., S121
Grymer, J., S117

H
Haibel, G.K., S121
Hambright, M.B., S53
Haynes, P.F., S379
Henninger, R.W., S488
Herd, R.P., S73
Hudson, R.S., S447
Hunt, E., S48

J
Jackson, H.D., S328
Jacobsen, K.L., S117
Johnson, L.W., S149

K
Kallfelz, F.A., S159
Knight, A.P., S149, S517
Koterba, A.M., S121
Kruckenberg, S.M., S185

L
Lee, J., S252
Leslie, K.E., S601
Lewis, L.D., S149
Lichtensteiger, C.A., S252
Linn, J.G., S85

M
Maas, J.P., S393
Martens, R.J., S27
Matros, L.E., S129
McGuirk, S.M., S94
Medina, M., S149
Meek, A.H., S601
Messer, N.T., IV, S517, S636
Meuten, D.J., S53
Miller, R.L., S472
Mobini, S., S280, S642
Modransky, P.D., S526
Montgomery, D.L., S677
Morgan, S.J., S206
Morris, E.L., S27
Moyer, W., S495
Muir, W.W., S228, S287
Mullowney, P.C., S615
Myers, R.K., S416

N
Nelson, D.R., S300
Nyack, B., S642
Nyrop, K.A., S669

O
Olson, J.D., S149
Otterby, D.E., S85

P
Paulsen, L.M., S320
Pickett, B.W., S194, S259
Powers, B.E., S636
Putnam, M.R., S657

R
Rantanen, N.W., S526
Reed, S.M., S320, S526
Roberts, M.C., S550
Ross, C.E., S559
Roussel, A.J., Jr, S322

S
Sanders D.E., S404
Scarratt, W.K., S627
Scrutchfield, W.L., S53
Shideler, R.K., S16
Singer, R.E., S488
Snyder, S.P., S636
Sommers, E.L., S328
Spencer, H., S185
Squires, E.L., S16, S194, S259
Steckel, R.R., S435
Studer, E., S460, S539
Sweeney, R., S252

T
Taylor, T.S., S677
Traub, J.L., S520, S526
Tulleners, J.P., S273

V
Varner, B.D., S356
Vestweber, J.C.E., S3, S185
Vig, M.M., S642
Voss, J.L., S16, S134, S259

W
Walker, D.F., S280, S447
Webel, S.K., S16
Wise, C.M., S649
Wolfe, D.F., S447

VOLUME 5 PAGINATION

LARGE ANIMAL SECTIONS

January	S5-S56	May	S241-S296	September	S457-S512
February	S57-S112	June	S297-S352	October	S513-S576
March	S113-S168	July	S353-S400	November	S577-S632
April	S169-S240	August	S401-S456	December	S633-S684

SUBJECT INDEX

- A**
- Acidosis, rumen, use of dietary buffers, bovine, S159-S166
- Aloe vera* (see *Aloe barbadensis*)
- Aloe barbadensis*, extract, therapeutic uses, S364-S368
- Anemia, hemolytic, neonatal equine, S591-S598
- Anthelmintics, resistance by strongyles, equine, S343-S349
- Antiinflammatory agents, phenylbutazone, equine, S320-S326
- toxicity, S322-S323
- Anus, atresia, neonatal bovine, S642-S646
- Arteritis, strongyle-induced pancreatic, associated with diabetes mellitus, equine, S482-S485
- Arthritis-encephalitis, viral, caprine, S173-S183
- Atresia
- anorectal, neonatal bovine, S642-S646
- choanal, bilateral, equine, S206-S211
- B**
- Bladder, neoplasms, equine, S529
- Blood
- coagulation, disseminated intravascular, associated with coliform mastitis, bovine, S185-S190
- hemolytic disorders, neonatal equine, S591-S598
- Bone
- coxofemoral luxation, bovine calf, S273-S278
- deformity, angular limb, development, equine, S27-S35
- osteopathy, hypertrophic, associated with lung infarction, equine, S636-S641
- radius, epiphyseal fracture, equine, S102-S106
- Breeding soundness
- boar, S244-S249
- bull, S41-S45
- ram, S649-S653
- stallion, S194-S202
- Buffers, dietary, digestive function and nutrition, bovine, S159-S166
- C**
- Caslick operation, equine, S108-S111
- Central nervous system, congenital disorders, bovine, S488-S493
- Cerebellum, neoplasms, bovine, S627-S630
- Clostridium tetani*, infection, prepartum bovine, S94-S97
- Coagulation, disseminated intravascular, associated with coliform mastitis, bovine, S185-S190
- Colon, neoplasms, equine, S530-S531
- Congenital disorders
- atresia
- anorectal, bovine, S642-S646
- choanal, bilateral, equine, S206-S211
- spinal cord dysraphism, bovine, S488-S493
- Connective tissue, neoplasms, equine, S416-S420
- Copper
- deficiency, food animal, S404-S410
- chronic poisoning, orphan ovine, S559-S561
- toxicity, S409-S410
- Corynebacterium pseudotuberculosis*, infection, ovine, S504-S509
- Cystadenoma, ovary, equine, S677-S679
- D**
- Dairy herd
- digestive function and nutrition, dietary buffers, S159-S166
- milk replacer use and value, S149-S154
- milk somatic cell counts, S601-S610
- parasite control, S73-S80
- reproduction, nutrition effects, S85-S93
- Dermatitis, focal ventral midline, equine, S618
- Diabetes mellitus
- associated pancreatic complications, equine, S482-S485
- pregnant bovine, S328-S331
- Diagnostic nerve blocks, distal limbs, equine, S669-S676
- Diarrhea
- fluid replacement therapy, neonatal bovine, S332-S339
- viral, bovine, S581-S588
- Dysraphism, spinal, bovine, S488-S493
- E**
- Edema, udder, bovine, S5-S12
- Emergency treatment, fracture, equine, S564-S573
- Endocrine system, maternal, control of parturition, bovine, S657-S664
- Enteropathy, protein-losing, equine, S550-S556
- Epiglottitis, entrapment, equine, S385-S388
- Episioplasty, equine, S108-S110
- Episiostomy, equine, S110
- Esophagus, trauma, bovine, S431
- Estrus, progestin therapy, equine, S16-S20
- Ethics, phenylbutazone use, equine, S323
- F**
- Fertility
- breeding soundness
- bull, S41-S45
- boar, S244-S249
- evaluation
- ram, S649-S653
- stallion, S194-S202, S259-S267
- Fluid replacement therapy, neonatal bovine, S332-S339
- Fracture
- emergency treatment, equine, S564-S573
- epiphyseal, radius, equine, S102-S106
- Fungi, *Pythium* sp., infection, equine, S472-S478
- G**
- Granulosa theca cell neoplasm, equine, S141-S144
- H**
- Habronemiasis, cutaneous, equine, S615-S616
- Heart, cardiopulmonary resuscitation, equine, S228-S234, S287-S295
- Hematoma, penis, bovine, S451-S452
- Hoof
- trauma, equine, S435-S443
- crack repair, S495-S500
- Hormones, control of parturition, bovine, S657-S664
- Hydrops allantois, associated with placentitis, equine, S121-S125
- I**
- Indigestion, placental, associated with intussusception, bovine, S117-S119
- Infarct, lung, associated with hypertrophic osteopathy, equine, S636-S641
- Inflammation, reproductive system, postpartum bovine, S461-S466
- Intussusception, caused by placental indigestion, S117-S119
- Isoerythrolysis, neonatal equine, S591-S598
- J**
- Joint
- angular limb deformities, development, equine, S27-S35
- stifle, surgery, bovine, S300-S308
- K**
- Kidney, failure, chronic, equine, S310-S317
- L**
- Lameness examination, equine, S669-S676
- Larynx, hemiplegia, equine, S61-S68
- Lice, equine, S620
- Ligament, trauma, bovine, S304-S305
- Liver, failure
- chronic, equine, S423-S430
- neonatal equine, S252-S258

Lung
 disease, porcine, S371-S376
 infarction, associated with hypertrophic osteopathy, equine, S636-S641
Luxation, coxofemoral, bovine calf,
 S273-S278
Lymphadenitis, caseous, ovine, S504-S509
Lymphosarcoma, equine, S53-S56,
 S532-S533

M

Mammary glands, vascular anatomy,
 bovine, S6-S8
Mange, equine, S621
Mastitis
 coliform, associated with disseminated intravascular coagulation, bovine, S185-S190
 subclinical, monitoring by somatic cell counts, bovine, S601-S610
Medulloblastoma, cerebellum, bovine
 S627-S630
Melanoma, malignant, equine, S531-S532
Milk
 fat, depression, use of dietary buffers, buffers, bovine, S159-S166
 replacer, evaluation, dairy calves, S149-S154
 somatic cell counts, bovine, S601-S610
Mites, equine, S620
Mouth, viral infection, S517-S522
Muscular dystrophy, nutritional, bovine,
 S395
Mycoplasma hyopneumoniae, infection, porcine, S371-S376

N

Neoplasms
 abdominal, equine, S526-S534
 cerebellum, bovine, S627-S630
 connective tissue, equine, S416-S420
 cystadenoma, equine, S677-S679
 lymphosarcoma, equine, S53-S56, S532-S533
 ovary, granulosa theca cell, equine, S141-S144
 penis, bovine, S448-S449
Nutrition
 copper deficiency, food animal, S404-S410
 dietary buffers, digestive function, bovine, S159-S166
 during pregnancy, equine, S358
 effect on reproduction, bovine, S85-S93
 selenium requirements, bovine, S393-S399

O

Onchocerciasis, cutaneous, equine,
 S616-S618
Osteopathy, hypertrophic, associated with
 lung infarction, equine, S636-S641
Ovary
 cystadenoma, equine, S677-S679
 granulosa theca cell neoplasm, equine, S141-S144

neoplasms, equine, S531
 postpartum, bovine, S539-S542
 Oxyuriasis, equine, S619

P

Palate, soft, dorsal displacement, equine,
 S379-S385
Pancreas, necrosis, associated with diabetes
 mellitus, equine, S482-S485
Parasites
 bovine, S73-S80
 skin, equine, S615-S623
 strongyles, equine
 drug resistance/control, S343-S349
 induced pancreatic arteritis, S482-S485
Parturition
 bovine
 hormonal control, S657-S664
 neuronal control, S657-S664
 equine, S359-S361
Penis
 deviations, bovine, S280-S284
 disorders, bovine, S447-S455
Perineum, rectovestibular lacerations,
 surgical repair, equine, S129-S134
Peripheral nervous system
 control of parturition, bovine, S657-S664
 distal limbs, equine, S669-S676
 anatomy, S669
 anesthetic agents, S671
 diagnostic nerve block technique, S672
Pharynx, trauma, bovine, S431-S432
Phenylbutazone, antiinflammatory therapy,
 equine, S320-S326
 toxicity, S322-S323
Phycomycosis, equine, S472-S478
Placenta
 indigestion and intussusception, bovine, S117-S119
 retained, bovine, S542
Placentitis, chronic, associated with
 hydrops allantois, equine, S121-S125
Pneumonia
 mycoplasmal, porcine, S371-S376
 progressive viral, ovine, S173-S183
Pneumovagina, equine, S107-S111
Poisoning, copper, chronic, orphan ovine,
 S559-S561
Pregnancy
 diabetes mellitus during, bovine, S328-S331
 perinatal care, equine, S356-S361
 nutrition, S358
 parturition, S359-S361
 progesterin therapy, equine, S20-S22
Progestins
 pregnancy maintenance, equine, S20-S22
 therapy of anovulatory/cycling mares, S16-S20

R

Rectum, atresia, neonatal bovine,
 S642-S646
Reproduction
 complications, equine, S107-S111
 management, ovine, S649-S653

nutrition effects, bovine, S85-S93
Reproductive system
 penis
 deviations, bovine, S280-S284
 disorders, bovine, S447-S455
 postpartum evaluation, bovine, S460-S466, S539-S544
 rectovestibular lacerations, surgical repair, equine, S129-S134
Respiratory tract
 cardiopulmonary resuscitation, equine, S228-S234, S287-S295
 distress, premature equine, S121-S125
 infection, ovine, S173-S183
 obstruction, anatomical, equine, S379-S389
Resuscitation, cardiopulmonary, equine,
 S228-S234, S287-S295
Reticuloperitonitis, traumatic, bovine,
 S48-S52
 surgery, S213-S221

S

Sarcoids, equine, S416-S420
Selenium
 requirements, S393-S394
 responsive disease, S395-S399
Skin, disease, parasitic, equine, S615-S623
Spinal cord (see also Central nervous
 system)
 dysraphism, bovine, S488-S493
 Splinting techniques, fracture, equine, S566-S572
Stifle joint, surgery, bovine, S300-S308
Stomach, neoplasms, equine, S527-S529
Stomatitis, vesicular, S517-S522

T

Tetanus, prepartum bovine, S94-S97
Tongue, ulcers, viral, S517-S522
Toxicity, phenylbutazone, equine,
 S322-S323
Toxicosis, copper, chronic, orphan ovine,
 S559-S561
Trauma
 esophagus, bovine, S431
 hoof, equine, S435-S443
 penis, bovine, S453
 pharynx, bovine, S431-S432

U

Udder, edema, bovine, S5-S12

V

Virus, infection
 retrovirus
 caprine, S173-S183
 ovine, S173-S183
 togavirus, bovine, S581-S588
 vesicular stomatitis, S517-S522

W

Warbles, equine, S619
Weight loss, chronic, associated with
 neoplasms, equine, S526-S534

